

IV. Remarks

Reconsideration and re-examination of this application in view of the above amendments and the following remarks is herein respectfully requested.

Claims 1, 3-9, 11-14, and 17-26 remain pending. Claims 2, 10, and 15-16 have been cancelled. New claim 26 has been added.

Claim Objections

Claim 1 was objected to because the substrate was not labeled in the drawings. Accordingly, Figure 1 was amended to label the substrate at reference number 11.

Claim Rejections - 35 U.S.C. §102(e)

Claims 1, 3-4, 6-7, 11-14, 17-18, and 20-25 were rejected under 35 U.S.C. §102(e) as being anticipated by U.S. 6,392,432 to Jaimsomporn et al. (Jaimsomporn).

The Examiner contends that the discreet elements of Jaimsomporn read on claim 1. However, MPEP & 2131 provides, "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described in a single prior art reference." *Verdegaal Bros. C. Union Oil Co. of California*, 814 F.2d 628,631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987).

Clearly, Jaimsomporn does not teach an integrated heating element and an integrated detection unit on an integrated circuit substrate. Rather, Jaimsomporn teaches discreet devices that must be separately connected to the

integrated circuit in a test scenario and that may not allow testing after a certain stage of product assembly. While the Examiner notes that the elements in Jaimsomporn are part of the same system, being part of a system is not the same as being on the same substrate. Therefore, each and every element of claim 1 is not taught by Jaimsomporn. Accordingly, Jaimsomporn does not form a proper basis for rejection under 35 U.S.C. § 102(e).

Claims 3-4, 6-7, 11, 12, 14, 17-18, and 20-25 depend from claim 1 and are, therefore, patentable for at least the same reasons as given above in support of claims 1 and 13.

Claim Rejections – 35 U.S.C. §103

Claims 5 and 19 were rejected under 35 U.S.C. §103(a) as being unpatentable over Jaimsomporn in view of U.S. 6,060,895 to Soh et al. (Soh).

Soh does not teach or suggest the elements noted above as missing from Jaimsomporn, specifically that the integrated heating element and the integrated detection unit are on the same integrated circuit substrate. Further, claims 5 and 19 depend from claims 1 and 13, respectively, and are, therefore, patentable for at least the same reasons as given above in support of claims 1 and 13.

New Claim 26

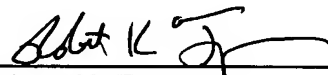
Claim 26 includes the elements of original claims 1 and 8 that were noted by the examiner to include allowable subject matter.

Conclusion

In view of the above amendments and remarks, it is respectfully submitted that the present form of the claims are patentably distinguishable over the art of record and that this application is now in condition for allowance. Such action is respectfully requested.

Respectfully submitted by,

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Attachment: One Sheet Replacement Drawings (Fig. 1)

II. Amendments to the Drawings

Please replace sheet 1 of the drawings with replacement sheet 1 including amended Figure 1. The figures have been amended to include a reference numeral 11 to identify the substrate as described on page 3, lines 25-35 and throughout the rest of the specification.